



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

August 12, 1996

CERTIFIED MAIL #P 875 705 065

Neil Wood
Ricks College
Physical Plant Department
Rexburg, Idaho 83460-8205

RE: Ricks College (Rexburg) - #9506-078-2
Tier II Operating Permit (#065-00011)

Dear Mr. Wood:

On June 20, 1995, the Division of Environmental Quality (DEQ) received an application for a Tier I Operating Permit (OP). On February 8, 1996, that application was determined complete. On July 1, 1996, a proposed Tier II Operating Permit was issued for public comment. No comments were received.

Based on review of your application, state and federal rules and regulations, DEQ finds this project meets the Provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, I am pleased to enclose your Tier II OP (#065-00011) for the emission sources that exist at the facility.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

Please be advised that this operating permit is subject to permit application fees of five hundred dollars (\$500.00) in accordance with IDAPA 16.01.01.470. IDAPA 16.01.01.470 became effective on March 7, 1995. Information regarding the permit application fees will be sent to you shortly.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Brian R. Monson, Chief, Operating Permits Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green

Orville D. Green
Assistant Administrator
Permits & Enforcement

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Enclosure

cc: J. Palmer, SWIRO
P. Rayne
Source File
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**STATE OF IDAHO
AIR POLLUTION
OPERATING PERMIT**

GENERAL INFORMATION

PERMIT NUMBER

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0 6 1

CLASS

A 2

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UTM COORDINATE (km)

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1. **Permittee**
Ricks College

2. **PROJECT**
Tier II Operating Permit

3. **ADDRESS** Physical Plant Dept.
525 South Center

TELEPHONE #
(208) 356-2464

COUNTY
Madison

4. **CITY**
Rexburg

STATE
Idaho

ZIP CODE
83460-8205

5. **PERSON TO CONTACT**
Neil Wood

TITLE
Heating Plant Supervisor

6. **EXACT PLANT LOCATION**
111° 46' East 43° 49' North

7. **GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**
Junior College

8. **GENERAL CONDITIONS**

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit.

THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED WITH ITS APPLICATION. CHANGES IN DESIGN OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MAY BE A MODIFICATION. MODIFICATIONS ARE SUBJECT TO DEPARTMENT REVIEW IN ACCORDANCE WITH Section 16.01.01.200 OF THE Rules for the Control of Air Pollution in Idaho.

Rwilla D. Green

ASSISTANT ADMINISTRATOR
DIVISION OF ENVIRONMENTAL QUALITY

ISSUED AUGUST 12, 1996
Date

EXPIRES AUGUST 12, 2001
Date

AIR POLLUTION OPERATING PERMIT

Permittee AND LOCATION

Ricks College
Tier II Operating Permit
Rexburg, Idaho

PERMIT NUMBER

065 - 00011

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fuel Burning Equipment (Boiler #1, Boiler #2, Boiler #3, and Boiler #4)

1. EMISSION LIMITS

1.1 Stack Emission Limits

1.1.1 PM-10 (as defined in IDAPA 16.01.01.006.71), sulfur dioxide (SO₂), oxides of nitrogen (NO_x), and carbon monoxide (CO) emissions from each of the Boilers #1, #2, #3, and #4 stacks shall not exceed any corresponding emission rate limits listed in Appendix A of this permit.

1.1.2 Particulate matter (PM) emissions from each of the Boilers #1, #2, #3, and #4 stacks shall not exceed the grain loading emission limits of 0.1 grains per dry standard cubic foot (gr/dscf) of effluent corrected to 8% oxygen by volume, as set in IDAPA 16.01.01.677 (Rules for the Control of Air Pollution in Idaho).

1.2 Visible Emission Limits

Visible emissions from each of the boiler stacks shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as per IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho) and as determined by using the Department's "Procedures Manual for Air Pollution Control".

2. OPERATING REQUIREMENTS

2.1 Boilers #1, #2, #3, and #42.1.1 Maximum Coal Fuel Consumption

The total maximum coal fuel consumption of Boilers #1, #2, #3, and #4 shall not exceed 8,500 tons per year, on an annual rolling basis, and as per the Permittee submittal.

2.1.2 Fuel Specifications

Boilers #1, #2, #3, and #4 shall burn Bituminous coal fuel that is pre mixed with waste oil.

2.1.3 Sulfur Content of the Coal Fuel

Sulfur content of the coal fuel shall not exceed a maximum of sixty-hundredths weight percent (0.60 wt%), as requested by the Permittee.

2.1.4 Waste Oil Specifications

Sulfur content of the waste oil applied to the coal shall not exceed a maximum of four tenths weight percent (0.4%). The waste oil shall meet the RCRA specifications, as set forth in 40 CFR Part 279.

ISSUED: August 12, 1996
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Ricks College
Tier II Operating Permit
Rexburg, Idaho

PERMIT NUMBER

065 - 00011

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SOURCE

Fuel Burning Equipment (Boiler #1, Boiler #2, Boiler #3, and Boiler #4)

2.1.5 Pressure Drops Across the Control Equipment

The pressure drop across each of the control equipment of Boilers #1, #2, #3, and #4 shall be maintained within manufacturer's specifications. Documentation of manufacturer's pressure drop specifications shall be kept on-site and shall be made available to Department representatives upon request.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 Boilers #1, #2, #3, and #4 Performance Tests

3.1.1 The Permittee shall conduct an annual performance test to measure particulate matter (PM) emissions from each of the Boilers #1, #2, #3, and #4 exhaust stacks within twelve (12) months upon receipt of this operating permit. If compliance with PM emission limits has been demonstrated for two consecutive years, then the Permittee shall conduct PM performance tests of Boilers #1, #2, #3, and #4 exhaust stacks at least once every two years. Such tests shall be commenced two years after successfully passing the two (2) consecutive annual PM performance tests.

The emission testing method shall be in accordance with U.S. EPA Reference Method 5 or 17 (40 CFR 60, Appendix A) or a Department approved alternative. The performance test shall be conducted in accordance with General Provision I of this operating permit. Visible emissions shall be observed during the performance test using the methods specified in the Department's "Procedures Manual for Air Pollution Control". The weight of coal used per hour shall also be measured and recorded during each performance test.

The test shall be performed while each boiler is operating at maximum achievable steaming rate. Ricks College shall not operate any boiler in excess of this rate at any other time during the life of this operating permit. The following shall be measured and recorded during the performance test:

- 3.1.1.1 Fuel feed rate to the tested boiler in pounds per hour;
- 3.1.1.2 Pressure drop across the air pollution control equipment;
- 3.1.1.3 Weight percent of sulfur in the coal; and
- 3.1.1.4 Steam produced.

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AIR POLLUTION OPERATING PERMIT

Permittee AND LOCATION

Ricks College
Tier II Operating Permit
Rexburg, Idaho

PERMIT NUMBER

065 - 00011

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fuel Burning Equipment (Boiler #1, Boiler #2, Boiler #3, and Boiler #4)

3.1.2 The Permittee shall conduct a source test to measure the sulfur dioxide emissions from each of the Boilers #1, #2, #3, and #4 exhaust stacks within twelve (12) months upon receipt of this operating permit. The emission testing method shall be in accordance with U.S. EPA Reference Method 6C (40 CFR 60, Appendix A) or a Department approval alternative. The source test shall be conducted in accordance with General Provision I of this operating permit. The weight of coal used per hour shall be measured during each of the source tests. Coal shall also be analyzed for the sulfur content during each of the source tests.

3.3 Within three (3) months from issuance of this operating permit, the Permittee shall install, calibrate, maintain, and operate pressure drop monitoring equipment to continuously measure the pressure drop across each of the Boilers #1, #2, #3, and #4 control equipment to determine compliance with Section 2.2.5 of this operating permit.

3.4 The Permittee shall monitor and record the pressure drop across each of the control equipment of Boilers #1, #2, #3, and #4, once on a weekly basis. The most recent two (2) years compilation of data shall be kept on-site at all times and shall be made available to the Department representatives upon request.

3.5 The Permittee shall monitor and record, on an annual rolling basis, the total coal consumption of Boilers #1, #2, #3, and #4. The most recent two (2) years compilation of data shall be kept on-site at all times and shall be made available to Department representatives upon request.

3.6 The Permittee shall monitor and record the percent by weight of sulfur in the coal and waste oil fuels by a certified sulfur content analysis for each month the coal that is pre mixed with waste oil fuels are delivered to the facility. A copy of the monthly sulfur analysis shall be kept on-site in a log for the most recent two (2) years and shall be made available to Department representatives upon request.

4. REPORTING REQUIREMENTS

4.1 Performance Test Protocol

The Permittee shall submit a protocol for the performance tests required in Section 3.1 of this operating permit, to the Department, for approval at a minimum of thirty (30) days prior to the test date.

4.2 Performance Test Report

The Permittee shall submit a written report of the Boilers #1, #2, #3, and #4 performance tests to the Department within thirty (30) days after performing the tests. The information required to be recorded during the performance tests shall also be submitted as part of the report.

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AIR POLLUTION OPERATING PERMIT

Permittee AND LOCATION

Ricks College
Tier II Operating Permit
Rexburg, Idaho

PERMIT NUMBER

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The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fuel Burning Equipment (Boiler #1, Boiler #2, Boiler #3, and Boiler #4)

4.3 Reporting Permit Exceedances

Within five (5) days of finding any exceedance from any permit conditions located in Sections 1 and 2 of this operating permit, the Permittee shall submit a notification of the exceedance to the Department. The report shall contain the date, duration and description of the exceedance, and the procedures taken to remedy the cause of the exceedance.

The exceedance report shall be submitted to the following address:

Air Quality Environmental Manager
Idaho Division of Environmental Quality
Permits and Enforcement
1410 N. Hilton
Boise, Idaho 83706

4.4 Certification of Documents

All documents, including, but not limited to, records, monitoring data, supporting information, testing reports or compliance certifications submitted to the Department shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

ISSUED: August 12, 1996
EXPIRES: August 12, 2001

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AIR POLLUTION OPERATING PERMIT

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Rexburg, Idaho

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The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Ash Handling System

1. EMISSION LIMITS

1.1 Stack Emission Limits

PM-10 (as defined in IDAPA 16.01.01.006.71) and particulate matter (PM) emission from the ash handling system's exhaust stack shall not exceed any corresponding emission rate limits listed in Appendix A of this operating permit.

1.2 Visible Emission Limits

Visible emissions from the ash handling system stack shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as per IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho) and as determined by using the Department's "Procedures Manual for Air Pollution Control".

2. OPERATING REQUIREMENTS

2.1 Pressure Drop Across the Control Equipment

The pressure drop across the Ash Handling System control equipment shall be maintained within manufacturer's specifications. Documentation of the manufacturer's pressure drop specifications shall remain on-site and shall be made available to Department representatives upon request.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 Within three (3) months from issuance of the operating permit, the Permittee shall install, calibrate, maintain, and operate pressure drop monitoring equipment to continuously measure the pressure drop across the ash handling system control equipment to determine compliance with Section 2.1 of this operating Permit.

3.2 The Permittee shall monitor and record the pressure drop across the control equipment of the Ash Handling System, once on a weekly basis, and shall be kept on-site for the most recent period of two (2) years and shall be made available to Department representatives upon request.

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EXPIRES: August 12, 2001

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AIR POLLUTION OPERATING PERMIT

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Rexburg, Idaho

PERMIT NUMBER

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The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fuel Burning Equipment (Emergency Diesel Generators #1 through #13)

1. OPERATING REQUIREMENTS

1.1 Hours of Operation

The total number of hours of operation for each emergency generator shall not exceed 500 per year in any calendar year.

1.2 Fuel Specifications

All diesel emergency generators shall be fired exclusively by No. 2 diesel fuel. The sulfur content shall be less than five-tenths weight percent (0.5 wt%) in accordance with IDAPA 16.01.01.728.02 (Rules for the Control of Air Pollution in Idaho).

1.3 Maintenance and Operating Requirements

The Permittee shall maintain and operate all diesel emergency generators in accordance with manufacturer's recommendations.

2. MONITORING AND RECORDKEEPING REQUIREMENTS

2.1 Emergency Generator Operations

The Permittee shall monitor and record the date and number of hours of operation of each diesel emergency generator. The most recent two (2) years compilation of data shall be kept on-site in a log at all times and shall be made available to Department representatives upon request.

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The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Fugitive Sources

1. EMISSION LIMITS

1.1 Fugitive Emissions

Fugitive particulate emissions generated from the coal handling system, fly ash handling operations, coal storage pile, paved and unpaved roads, aggregate handling, and all other sources of fugitive emissions at the facility shall be reasonably controlled in accordance with IDAPA 16.01.01.650 and IDAPA 16.01.01.651 (Rules for the Control of Air Pollution in Idaho).

2. OPERATING REQUIREMENTS

2.1 Control of Fugitive Emissions

Some of the reasonable control precautions may include, but are not limited to, the following:

2.1.1 Use of water or environmentally safe chemical dust suppressant;

2.1.2 Use of control equipment or enclosures;

2.1.3 Paving of haul roads; and

2.1.4 Prompt removal of earth or other stored material from streets, where practical.

ISSUED: August 12, 1996
EXPIRES: August 12, 2001

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APPENDIX A

RICKS COLLEGE - REXBURG

HOURLY (lb/hr) AND ANNUAL (T/yr) POINT SOURCE EMISSION LIMITS

SOURCE	PM		PM-10		SO ₂		CO		NO _x	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Boiler #1	4.68	4.03	2.60	2.24	11.86	10.20	3.12	2.69	3.90	3.36
Boiler #2	9.27	8.05	5.15	4.47	23.48	20.39	6.18	5.37	7.73	6.71
Boiler #3	13.95	12.08	7.75	6.71	35.34	30.60	9.30	8.05	11.63	10.07
Boiler #4	16.29	14.09	9.05	7.83	41.27	35.70	10.86	9.40	13.58	11.75
Ash Handling System Stack	1.0	0.37	1.00	0.37	---	---	---	---	---	---

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EXPIRES: August 12, 2001

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OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the **Rules for the Control of Air Pollution in Idaho**, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the **Rules for the Control of Air Pollution in Idaho**) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, **Idaho Code**, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.

ISSUED: August 12, 1996
EXPIRES: August 12, 2001

- I. The Permittee shall provide the Department a minimum of thirty (30) days notice prior to the scheduled date of any performance test required pursuant to this permit. Such testing must strictly adhere to the procedures outlined in the Department's **Procedures Manual for Air Pollution Control**, and will not be conducted on weekends or state holidays, unless the Permittee obtains prior Department approval. Testing procedures and specific time limitations may be modified by the Department by prior negotiation if conditions warrant adjustment.

The Permittee shall promptly notify the Department of any change in the testing schedule and shall provide at least five (5) working days notice prior to conducting any rescheduled test, unless the Department approves a shorter advanced notice period. Any records or data generated as a result of such performance tests shall be made available to the Department upon request.

The performance tests will be performed at the maximum production rate unless otherwise is specifically stated elsewhere in this operating permit. If this maximum rate is not achieved during testing, the allowable production rate will be limited to the production rate attained during testing.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

ISSUED: August 12, 1996
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